## What is claimed is :

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- 1. A substrate for liquid crystal display elements comprising:
  - a transparent substrate; and
- a predetermined number of pairs of a first transparent film having a high refractive index and a second transparent film having a low refractive index, each composed of a dielectric material and stacked on said transparent substrate;

wherein:

said first transparent film has a refractive index of light of not less than 1.8 at a wavelength of 550nm, and said second transparent film is stacked on said first transparent film, said second transparent film having a refractive index of light of not more than 1.5 at the wavelength of 550nm;

said predetermined number is an integer not less than 1; and

said first transparent film and said second transparent film each have a film thickness thereof set to such a value that the light reflectance in a visible light region of each of said first and second transparent films is within a range of 5 - 95%.

- 2. A substrate for liquid crystal display elements as claimed in claim 1, including a transparent roughened surface scattering layer stacked on said transparent substrate.
- 3. A substrate for liquid crystal display

  30 & elements as claimed in claim 1 or 2, wherein said
  light reflectance in the visible light region of each
  of said first and second transparent films is in a
  range of not less than 5% but less than 25%.
  - 4. A substrate for liquid crystal display elements as claimed in claim 3, wherein when said

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predetermined number is 1, said first transparent film has a film thickness of 20 - 130nm, and said second transparent film has a film thickness of 50 - 110nm.

- 5. A substrate for liquid crystal display elements as claimed in claim 3, wherein when said predetermined number is 2, said first transparent film has a film thickness of 5 60nm, and said second transparent film has a film thickness of 5 150nm.
- 6. A substrate for liquid crystal display elements as claimed in claim 3, wherein when said predetermined number is 3, said first transparent film has a film thickness of 3 80nm, and said second transparent film has a film thickness of 5 160nm.
- 7. A substrate for liquid crystal display elements as claimed in claim 3, wherein when said predetermined number is 4, said first transparent film has a film thickness of 5 80nm, and said second transparent film has a film thickness of 5 80nm.
- 8. A substrate for liquid crystal display
  20 celements as claimed in claim 1 or 2, wherein said
  light reflectance in the visible light region of each
  of said first and second transparent films is in a
  range of not less than 25% but less than 45%.
  - 9. A substrate for liquid crystal display elements as claimed in claim 8, wherein when said predetermined number is 1, said first transparent film has a film thickness of 80 110nm, and said second transparent film has a film thickness of 40 60nm.
  - 10. A substrate for liquid crystal display elements as claimed in claim 8, wherein when said predetermined number is 2, said first transparent film has a film thickness of 20 180nm, and said second transparent film has a film thickness of 30 100nm.
- 11. A substrate for liquid crystal display
  35 elements as claimed in claim 8, wherein when said
  predetermined number is 3, said first transparent film

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has a film thickness of 10 - 130nm, and said second transparent film has a film thickness of 10 - 170nm.

- 12. A substrate for liquid crystal display elements as claimed in claim 8, wherein when said predetermined number is 4, said first transparent film has a film thickness of 20 110nm, and said second transparent film has a film thickness of 5 100nm.
- 13. A substrate for liquid crystal display elements as claimed in claim 8, wherein when said predetermined number is 5, said first transparent film has a film thickness of 10 110nm, and said second transparent film has a film thickness of 5 110nm.
- 14. A substrate for liquid crystal display elements as claimed in claim 8, wherein when said predetermined number is 6, said first transparent film has a film thickness of 10 80nm, and said second transparent film has a film thickness of 30 100nm.
- 15. A substrate for liquid crystal display elements as claimed in claim 1 er 2, wherein said light reflectance in the visible light region of each of said first and second transparent films is in a range of not less than 45% but less than 65%.
  - 16. A substrate for liquid crystal display elements as claimed in claim 15, wherein when said predetermined number is 2, said first transparent film has a film thickness of 60 180nm, and said second transparent film has a film thickness of 40 90nm.
  - 17. A substrate for liquid crystal display elements as claimed in claim 15, wherein when said predetermined number is 3, said first transparent film has a film thickness of 20 160nm, and said second transparent film has a film thickness of 10 150nm.
  - 18. A substrate for liquid crystal display elements as claimed in claim 15, wherein when said predetermined number is 4, said first transparent film has a film thickness of 20 180nm, and said second

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transparent film has a film thickness of 10 - 110nm.

- 19. A substrate for liquid crystal display elements as claimed in claim 15, wherein when said predetermined number is 5, said first transparent film has a film thickness of 30 190nm, and said second transparent film has a film thickness of 10 140nm.
- 20. A substrate for liquid crystal display elements as claimed in claim 15, wherein when said predetermined number is 6, said first transparent film has a film thickness of 10 150nm, and said second transparent film has a film thickness of 10 100nm.
- 21. A substrate for liquid crystal display elements as claimed in claim 15, wherein when said predetermined number is 7, said first transparent film has a film thickness of 20 150nm, and said second transparent film has a film thickness of 5 110nm.
- 22. A substrate for liquid crystal display elements as claimed in claim 15, wherein when said predetermined number is 8, said first transparent film has a film thickness of 20 130nm, and said second transparent film has a film thickness of 5 110nm.
- 23. A substrate for liquid crystal display elements as claimed in claim 15, wherein when said predetermined number is 9, said first transparent film has a film thickness of 20 120nm, and said second transparent film has a film thickness of 10 90nm.
- 24. A substrate for liquid crystal display elements as claimed in claim 1 or 2, wherein said light reflectance in the visible light region of each of said first and second transparent films is in a range of not less than 65% but less than 95%.
- 25. A substrate for liquid crystal display elements as claimed in claim 24, wherein when said predetermined number is 3, said first transparent film has a film thickness of 80 160nm, and said second transparent film has a film thickness of 40 110nm.

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- 26. A substrate for liquid crystal display elements as claimed in claim 24, wherein when said predetermined number is 4, said first transparent film has a film thickness of 60 140nm, and said second transparent film has a film thickness of 40 100nm.
- 27. A substrate for liquid crystal display elements as claimed in claim 24, wherein when said predetermined number is 5, said first transparent film has a film thickness of 30 130nm, and said second transparent film has a film thickness of 20 170nm.
- 28. A substrate for liquid crystal display elements as claimed in claim 24, wherein when said predetermined number is 6, said first transparent film has a film thickness of 20 180nm, and said second transparent film has a film thickness of 10 140nm.
- 29. A substrate for liquid crystal display elements as claimed in claim 24, wherein when said predetermined number is 7, said first transparent film has a film thickness of 10 150nm, and said second transparent film has a film thickness of 30 130nm.
- 30. A substrate for liquid crystal display elements as claimed in claim 24, wherein when said predetermined number is 8, said first transparent film has a film thickness of 5 200nm, and said second transparent film has a film thickness of 5 150nm.
- 31. A substrate for liquid crystal display elements as claimed in claim 24, wherein when said predetermined number is 9, said first transparent film has a film thickness of 5 200nm, and said second transparent film has a film thickness of 5 140nm.
- 32. A substrate for liquid crystal display elements as claimed in any one of claims 1 to 31, wherein said second transparent film is formed of a material having a low refractive index consisting essentially of at least one compound selected from the group consisting of silicon dioxide, magnesium

fluoride, ¢alcium fluoride, and lithium fluoride. 33. A substrate for liquid crystal display claim | claim | claims 1 to 32, wherein said second transparent film includes a 5 transparent film located farthest from said transparent substrate, said transparent film being formed of silicon dioxide and having a film thickness of not less than 20nm.

A\substrate for liquid crystal display 34 elements as claimed in any one of claims 1 to 33, 10a wherein said first transparent film is formed of a material having a high refractive index consisting essentially of at least one compound selected from the group consisting of titanium dioxide, zirconium dioxide, tantalum pentoxide, and tin oxide.

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